

DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

012294671 \*\*Image available\*\*

WPI Acc No: 1999-100777/199909

XRPX Acc No: N99-073842

**Paper sheet delivery apparatus of copier - includes discriminator that distinguish between normal and abnormal paper based on output waveform from detector**

Patent Assignee: OMRON KK (OMRO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10329964	A	19981215	JP 97157539	A	19970531	199909 B

Priority Applications (No Type Date): JP 97157539 A 19970531

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10329964	A	13	B65H-003/06	

Abstract (Basic): JP 10329964 A

NOVELTY - Sheets of paper (21,21a) delivered by a delivery unit are contacted by a predetermined pressure. A gate roller (35) displaces the contacted papers, by the reaction force. A discriminator judges normal or abnormal papers based on the waveform output from a detector which detects the physical quantity of paper. When the output waveform exceeds a predetermined level, the discriminator judges an abnormal paper and the delivery of paper is stopped.

USE - For image readers such as copier.

ADVANTAGE - Distinguishes condition of paper reliably. Employs suitable process to deliver sheets of paper. DESCRIPTION OF DRAWING(S)  
- The figure shows the block diagram of the internal structure of the paper sheet delivery apparatus. (21,21a) Sheets of paper; (35) Gate roller.

Dwg.2/13

Title Terms: PAPER; SHEET; DELIVER; APPARATUS; COPY; DISCRIMINATE;

DISTINGUISH; NORMAL; ABNORMAL; PAPER; BASED; OUTPUT; WAVEFORM; DETECT

Derwent Class: Q36; S06

International Patent Class (Main): B65H-003/06

International Patent Class (Additional): B65H-003/52; B65H-007/02;

B65H-007/12

File Segment: EPI; EngPI

?